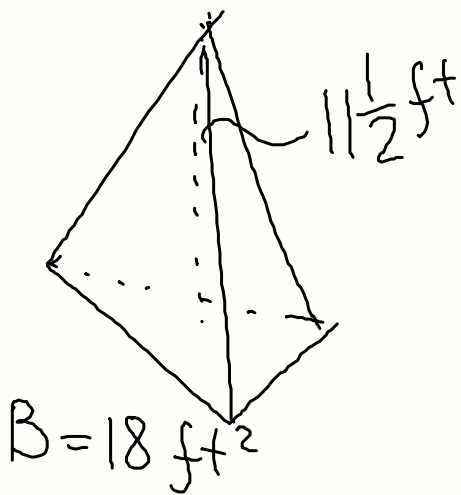


MEASURING UP

#5 p. 176



$$V = \frac{1}{3} (\text{AREA OF THE BASE}) \cdot h$$

$$V = \left(\frac{1}{3}\right) 18 \cdot 11.5 = 69.0 \text{ ft}^3$$

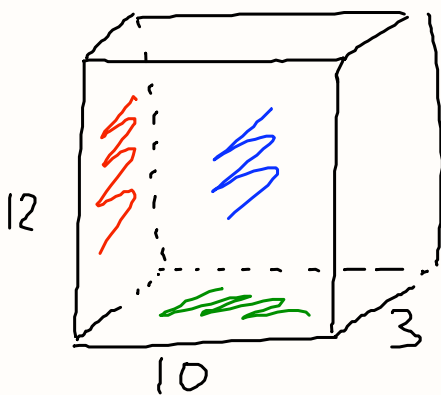
$$\frac{2^3}{2}$$

$$1 \div 2 = 0.5$$

p. 177 # 1-6

①

Ⓐ



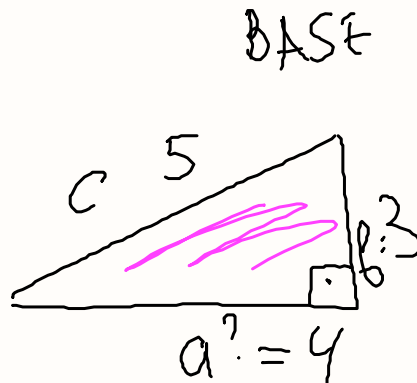
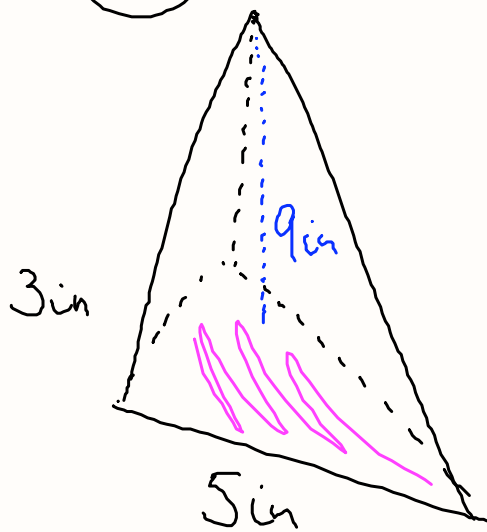
$$12 \cdot 3 = 36 \quad 36 \cdot 2 = 72$$

$$10 \cdot 3 = 30 \quad 30 \cdot 2 = 60$$

$$10 \cdot 12 = 120 \quad 120 \cdot 2 = 240$$

$$372 \text{ in}^2$$

(2)



$$a = \sqrt{c^2 - b^2} = \sqrt{5^2 - 3^2} = \sqrt{16} = 4 \text{ in}$$

$$V = \frac{1}{3} \cdot 6 \cdot 9 = \underline{\underline{18 \text{ in}^3}}$$

$$A = \frac{1}{2} \text{ base} \cdot \text{height}$$

$$A = \frac{1}{2} \cdot 4 \cdot 3 = 6 \text{ in}^2$$

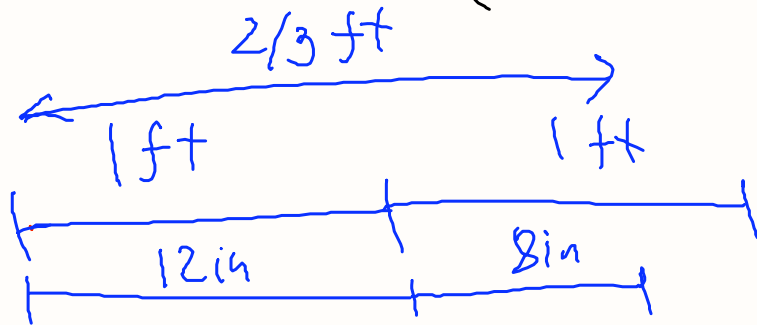
$$\textcircled{3} \quad l = 12\frac{2}{3}\text{ft} = 12 + 12 \cdot \frac{2}{3} = 12 + 8 = 20\text{in}$$

$$w = 7\text{in}$$

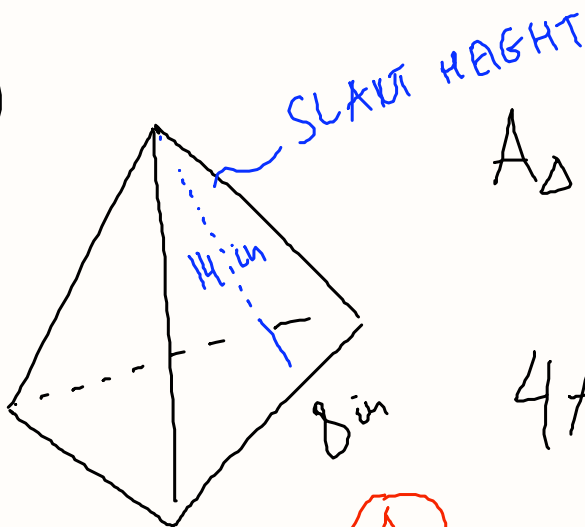
$$h = 7\frac{1}{2} = 7.5\text{in}$$

$$\left(\frac{15}{2}\right)$$

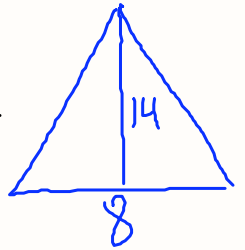
12in - 1ft



(4)



$$A_{\Delta} = \frac{8 \cdot 14}{2} = 56 \text{ in}^2$$



$$4A_{\Delta} = 4 \cdot 56 = 224 \text{ in}^2$$

HOME: (A) (B) CONSTRUCTED RESP. #9

$$R = 4 \text{ cm}$$
$$h = 13.5 \text{ cm}$$

$$V = \pi R^2 h$$
$$\pi = 3.14$$

make A sketch

p. 127 # 5 $V = l \cdot b \cdot h$

6 $V_{\text{COOLER}} - V_{\text{box}}$